

Listing of Claims

1-7. (Cancelled)

8. (Currently Amended) A synthetic peptide consisting of 7-21 contiguous amino acids of the sequence AHGVTSAPDTRPAPGSTAPPA of SEQ ID NO: 1, wherein said 7 to 21 contiguous amino acids include the amino acid sequence set forth in SEQ ID NO: 3, and comprising a sequence of the human epithelial mucin MUC1 wherein the peptide comprising the sequence, PDTRPAP (SEQ ID NO: 3), the Immunodominant sequence, which is glycosylated at the threonine residue.

9. (Currently Amended) A synthetic peptide consisting of at least two tandem repeats, each of said tandem repeats consisting of the amino acid sequence of the peptide of claim 8, wherein said synthetic peptide each of said tandem repeats comprises the sequence PDTRPAP (SEQ ID NO: 3) glycosylated at the threonine residue has a length of at least about 20 amino acids.

10. (Currently Amended) The synthetic peptide of claim 8, wherein the glycosylation of the threonine of the PDTRPAP (SEQ. ID NO: 3) is a monosaccharide.

11. (Currently Amended) The synthetic peptide of claim 8, wherein the glycosylation of the threonine of the PDTRPAP (SEQ. ID NO: 3) is a α -N-acetylgalactosamine (GalNAc).

12. (Currently Amended) The synthetic peptide of claim 8, wherein the glycosylation of the threonine of the PDTRPAP (SEQ. ID NO: 3) is an oligosaccharide.

13. (Currently Amended) The synthetic peptide of claim 8, wherein the glycosylation of the threonine of the PDTRPAP (SEQ. ID NO: 3) is the disaccharide Gal β -1,3GalNAc α .

14. (Cancelled).

15. (Currently Amended) The synthetic peptide of claim 9, wherein the glycosylation of the threonine of the PDTRPAP (SEQ. ID NO: 3) is a monosaccharide.

16. (Currently Amended) The synthetic peptide of claim 9, wherein the glycosylation of the threonine of the PDTRPAP (SEQ. ID NO: 3) is a α -N-acetylgalactosamine (GalNAc).

17. (Currently Amended) The synthetic peptide of claim 9, wherein the glycosylation of the threonine of the PDTRPAP (SEQ. ID NO: 3) is an oligosaccharide.

18. (Currently Amended) The synthetic peptide of claim 9, wherein the glycosylation of the threonine of the PDTRPAP (SEQ. ID NO: 3) is the disaccharide Gal β -1,3-GalNAc α .

19-24. (Cancelled).